

Appl. No. 10/825,905
April 20, 2006
Response to Office action of December 20, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A downhole tool system comprising:
 - a side entry sub comprising a side entry adapted to receive a wireline;
 - a cutting sub comprising ~~a cutting apparatus;~~
 - a trip bushing engageable by a re-head connected to the wireline;
 - the trip bushing being movable by the re-head to compress a spring against a ram head secured by shear pins; and
 - a pivotally mounted cutting device adapted to be pivoted by the ram head when released by the shear pins and cut the wireline;
 - a cable head connecting a downhole tool to the cutting sub; and
 - a release connecting the wireline to the cable head.
2. (original) The downhole tool system of claim 1 where the downhole tool comprises a formation logging tool.
3. (original) The downhole tool system of claim 1 where the side entry comprises a pack-off, the wireline entering the side entry sub through the pack-off.
4. (canceled)
5. (original) The downhole tool system of claim 1 further comprising a modified fishing neck engaged with the cable head.
6. (original) The downhole tool system of claim 1 where the release comprises a fusible material adapted to release a re-head engaged with the wireline.
7. (original) The downhole tool system of claim 1 wherein the release is a mechanical release or an electrical release.

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8. (original) The downhole tool system of claim 1 wherein the downhole tool is a formation logging tool, a casing evaluation tool, a cement evaluation tool, a mechanical setting tool, a release tool, an explosive tool, or a production evaluation tool.
9. (currently amended) A method of performing downhole operations comprising:
conveying a downhole tool system downhole on a pipe string, the downhole tool system comprising a side entry sub, a cable head connecting a downhole tool to a cutting sub, and a release releasably connecting a wireline to the cable head; and
activating the release to release the wireline from the cable head;
applying a force to the wireline to move a trip bushing in the cutting sub with a re-head
engaged with the wireline;
compressing a spring against a ram head secured by shear pins with movement of the
trip bushing;
shearing the shear pins to release the ram head;
pivoting a cutting device with the ram head to cut the wireline; and
performing downhole operations with the downhole tool.
10. (currently amended) The method of claim 9 further comprising:
~~activating the release to release the wireline from the cable head;~~
~~cutting the wireline with the cutting sub, the cutting sub comprising a cutting apparatus;~~
and
retrieving the wireline from the downhole tool system.
11. (canceled)
12. (canceled)
13. (original) The method of claim 9 where performing downhole operations with the downhole tool comprises performing logging operations with a downhole logging tool.

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14. (currently amended) A downhole tool system comprising:
a side entry sub comprising a pack-off adapted to receive a wireline;
a cutting sub comprising ~~a cutting apparatus adapted to cut the wireline;~~
a trip bushing engageable by a re-head connected to the wireline;
the trip bushing being movable by the re-head to compress a spring against a ram
head secured by shear pins; and
a pivotally mounted cutting device adapted to be pivoted by the ram head when
released by the shear pins and cut the wireline;
a cable head connecting a downhole formation logging tool to the cutting sub; and
a release releasably connecting the wireline to the cable head.
15. (canceled)
16. (original) The downhole tool system of claim 14 further comprising a modified fishing neck engaged with the cable head.
17. (original) The downhole tool system of claim 14 where the release comprises a fusible material adapted to release a re-head engaged with the wireline to release the wireline from the cable head.
18. (original) The downhole tool system of claim 14 wherein the release comprises a mechanical release or an electrical release.
19. (currently amended) A method of logging a downhole formation comprising:
conveying a logging tool system downhole on a pipe string, the logging tool system comprising a side entry sub, a cable head connecting a formation logging tool to a cutting sub, and a release releasably connecting a wireline to the cable head, the wireline exiting the side entry sub through a side entry; and
activating the release to release the wireline from the cable head;

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applying a force to the wireline to move a trip bushing in the cutting sub with a re-head engaged with the wireline;

compressing a spring against a ram head secured by shear pins with movement of the trip bushing;

shearing the shear pins to release the ram head;

pivoting a cutting device with the ram head to cut the wireline; and

performing logging operations with the formation logging tool.

20. (currently amended) The method of claim 19 further comprising:

~~activating the release to release the wireline from the cable head;~~

~~applying a force to the wireline to actuate the cutting apparatus to cut the wireline, the cutting apparatus being actuated with a re-head engaged with the wireline; and~~

retrieving the wireline from the logging tool system.

21. (canceled)

22. (new) The method of claim 9 wherein performing downhole operations with the downhole tool comprises evaluating casing, evaluating cement, operating a mechanical setting tool, operating a release tool, operating an explosive tool, or evaluating production.